

Sau khi đã cài xong Git, cũng như Heroku CLI >>> chạy Heroku -v ở cmd

The screenshot shows the Heroku Dev Center homepage. At the top, there are links for 'Get Started', 'Documentation', 'Changelog', and 'More'. A search bar says 'Search Dev Center'. Below the header, a banner reads 'Learn about building, deploying, and managing your apps on Heroku.' A row of language icons includes Node.js (highlighted with a red box), Ruby, Python, Java, PHP, Go, Scala, and Clojure. A 'New to Heroku?' link and a 'Get started' button are visible. On the left, a sidebar titled 'Heroku Essentials' lists 'Get Started', 'The Heroku CLI', 'Deploying with Git', and 'The Pipeline'. In the center, a section titled 'Recommended Features' lists 'Custom Domain Names for Apps', 'Heroku Postgres', 'Heroku Teams', and 'Pipelines'. On the right, 'Debugging on Heroku' features 'Logging', 'Heroku Error Codes', 'Application Metrics', and 'Language Runtime Metrics'. An 'Udemy' logo is in the bottom right corner.

vào docs >> chọn Node.js

The screenshot shows the 'Node.js' category page in the Heroku Dev Center. The left sidebar includes 'Continuous Delivery', 'Language Support' (with 'Node.js' highlighted with a red box), 'Databases & Data Management', 'Monitoring & Metrics', 'App Performance', 'Add-ons', 'Collaboration', 'Security', 'Heroku Enterprise', 'Patterns & Best Practices', 'Extending Heroku', 'Accounts & Billing', and 'Troubleshooting & Support'. The main content area has a title 'Node.js' with a red box around it. It says 'Heroku makes it easy to deploy and scale Node.js applications. Run any recent version of Node.js. Deploy apps in seconds using dependency caching.' A 'Get started with Node.js' button is present. Below this, a list of articles includes 'Getting Started on Heroku with Node.js', 'Best Practices for Node.js Development', 'Direct to S3 File Uploads in Node.js', 'Building Node.js Apps with Grunt', 'Deploying a Parse Server to Heroku', 'Building a Real-time, Polyglot Application with Node.js, Ruby, MongoDB and Socket.IO', 'Background Jobs in Node.js with Redis', 'Heroku Node.js Support', 'Deploying Node.js Apps on Heroku' (highlighted with a red box), 'Migrating to Yarn 2', 'Using WebSockets on Heroku with Node.js', 'Optimizing Node.js Application Concurrency', 'Troubleshooting Node.js Memory Use', 'Troubleshooting Node.js Deploys', and 'Scaling an Express.js Application with Memcache'. An 'Udemy' logo is in the bottom right corner.

The details of Heroku's Node.js Support are described in the [Heroku Node.js Support](#) article.

Heroku Node.js support will only be applied when the application has a `package.json` file in the root directory.

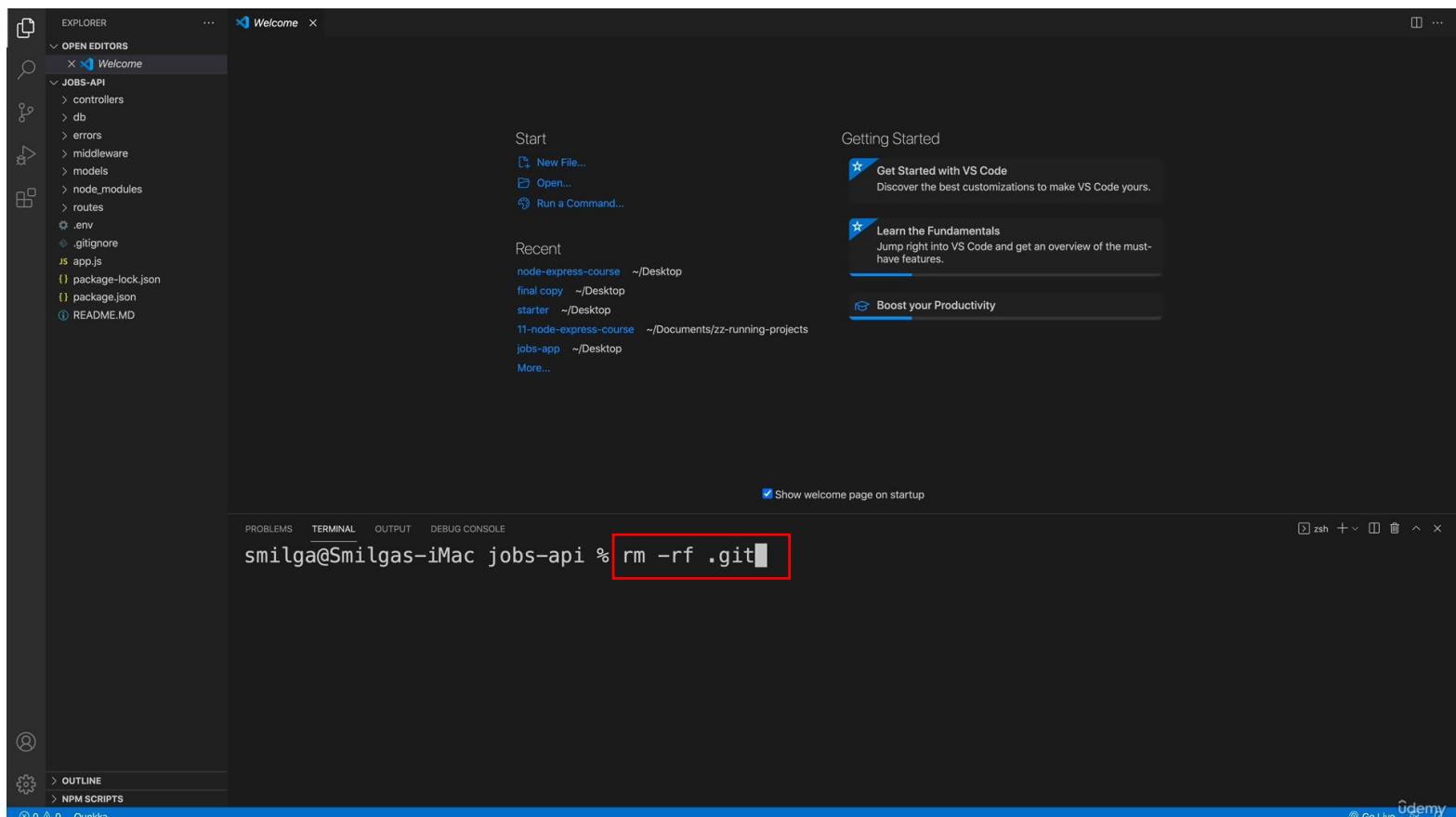
Declare app dependencies

The `package.json` file defines the dependencies that should be installed with your application. To create a `package.json` file for your app, run the command `npm init` in the root directory of your app. It will walk you through creating a `package.json` file. You can skip any of the prompts by leaving them blank.

```
$ cd node-example
$ npm init
...
name: (node-example)
version: (1.0.0)
description: This example is so cool.
entry point: (web.js)
test command:
git repository:
keywords: example heroku
author: jane-doe
license: (ISC) MIT
...
```

The generated `package.json` file looks like this:

```
{
  "name": "node-example",
  "version": "1.0.0",
  "description": "This example is so cool.",
  "main": "web.js",
  "scripts": {
```



đầu tiên sẽ phải remove .git repo

Screenshot of a Node.js application setup in VS Code:

```

20 const errorHandlerMiddleware = require('./middleware/error-handler')
21
22 app.use(express.json())
23 app.use(helmet())
24 app.use(cors())
25 app.use(xss())
26 app.use(rateLimiter(Response<any,
27                           Record<string, any>,
28                           send(body?: any): void))
29
30 app.get('/', (req, res) => {
31   res.send('jobs api')
32 })
33
34 // routes
35 app.use('/api/v1/auth', authRouter)
36 app.use('/api/v1/jobs', authenticateUser, jobsRouter)

```

The code shows a dummy route at `app.get('/', (req, res) => { res.send('jobs api') })` highlighted with a red box.

Terminal output:

```

smilga@Smilgas-iMac jobs-api % rm -rf .git
smilga@Smilgas-iMac jobs-api %

```

setup dummy route để test

Screenshot of a browser showing deployment instructions:

then to try to run your app locally by typing `heroku local web`. If a dependency is missing from your `package.json` file, you should see an error that says which module cannot be found.

Specify the version of node

The version of Node.js that will be used to run your application on Heroku, should also be defined in your `package.json` file. You should always specify a Node.js version that matches the runtime you're developing and testing with. To find your version type `node --version`.

Your `package.json` file will look something like this:

```

{
  "engines": {
    "node": "14.x"
  }
}

```

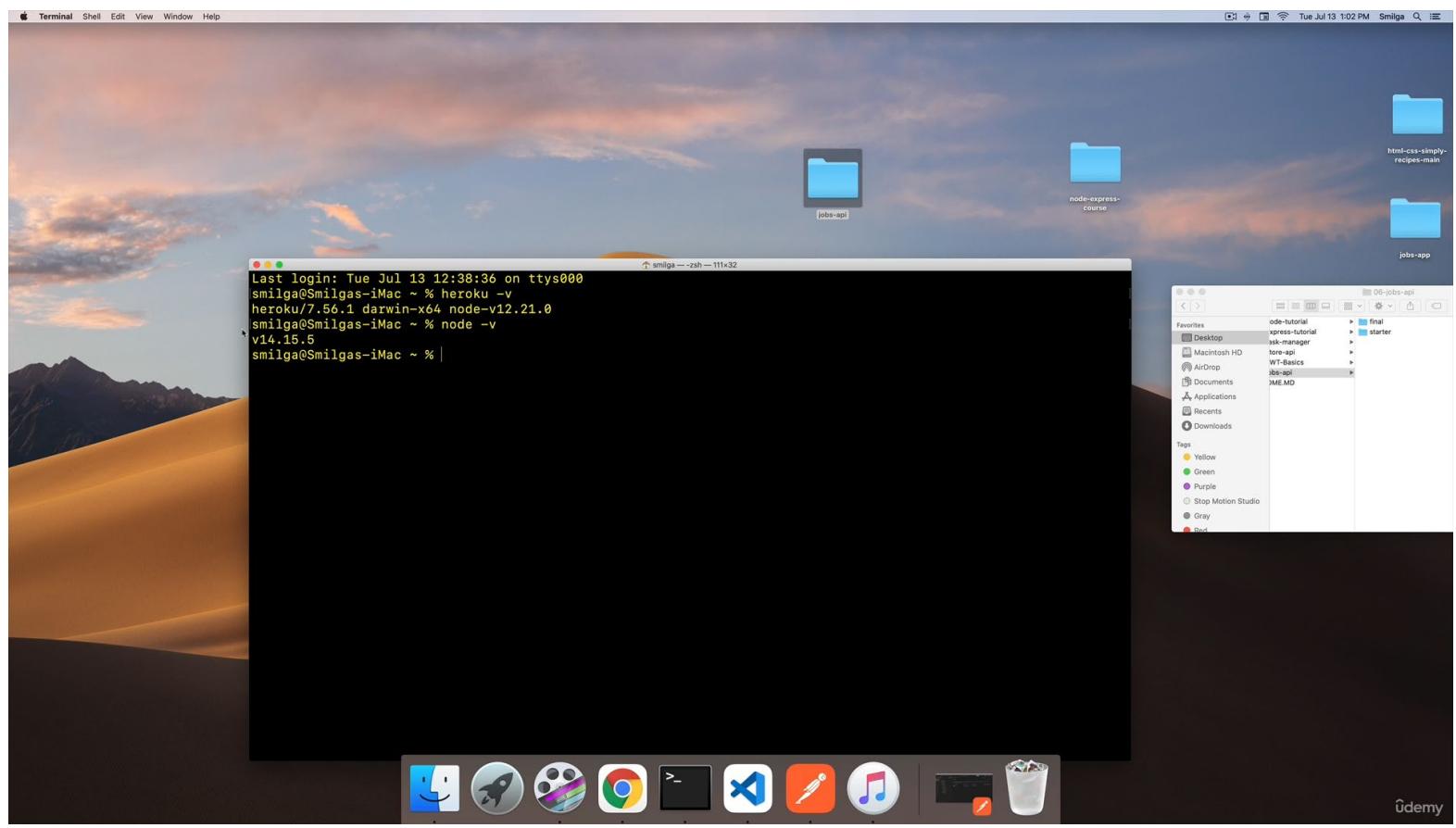
Tip: In the Node.js versioning scheme, odd versions are unstable and even versions are stable. The stable branch takes bug fixes only.

Now that the dependencies are installed and the version of node to use has been specified, the `package.json` file will look something like this:

```

{
  "name": "node-example",
  "version": "1.0.0",
  "description": "This example is so cool.",
  "main": "web.js",
  "scripts": {
    "test": "echo \\\"Error: no test specified\\\" && exit 1"
  },
  "keywords": [
    "example",
    "cool"
  ]
}

```



A screenshot of the Visual Studio Code (VS Code) interface. The left sidebar shows the project structure with files like `app.js`, `package.json`, and `README.md`. The main editor area displays the `package.json` file content:

```
...
  "engines": {
    "node": "14.x"
  }
}
```

The line containing the `"node": "14.x"` entry is highlighted with a red box. Below the editor, the terminal window shows the command:

```
smilga@Smilgas-iMac jobs-api % rm -rf .git
```

The status bar at the bottom provides information about the current file: "Ln 30, Col 19 Spaces: 2 UTF-8 LF JSON".

setup node version trong package.json

```

1  {
2    "name": "06-jobs-api",
3    "version": "1.0.0",
4    "description": "",
5    "main": "app.js",
6    "scripts": {
7      "start": "node app.js"
8    },
9    "author": "",
10   "license": "ISC",
11   "dependencies": {
12     "bcryptjs": "^2.4.3",
13     "cors": "^2.8.5",
14     "express": "^4.17.1",
15     "mongoose": "^5.7.1"
16   }
17 }

```

smilga@Smilgas-iMac jobs-api % rm -rf .git
smilga@Smilgas-iMac jobs-api %

chỗ này ko sử dụng “nodemon app.js” mà đổi thành “node app.js”

```

"engines": {
  "node": "14.x"
}

```

Note: It's a good idea to keep your development environment and production environment as similar as possible. Therefore, make sure that your local version of Node.js matches the version you told Heroku to use in the `package.json` file. To check which version you're running locally, at the command line, type `node --version`.

Specifying a start script

To determine how to start your app, Heroku first looks for a **Procfile**. If no Procfile exists for a Node.js app, we will attempt to start a default `web` process via the **start script** in your `package.json`.

The command in a web process type must bind to the port number **specified in the `PORT` environment variable**. If it does not, the dyno will not start.

For more information, see [Best Practices for Node.js Development](#) and [Heroku Node.js Support](#).

Build your app and run it locally

Run the `npm install` command in your local app directory to install the dependencies that you declared in your `package.json` file.

```
$ npm install
```

Start your app locally using the `heroku local` command, which is installed as part of the Heroku CLI.

tiếp theo sẽ setup Procfile

The screenshot shows the VS Code interface with the following details:

- Explorer View:** Shows a file tree with a red box around the `Procfile` entry.
- Terminal:** Displays the command `rm -rf .git` being run in a zsh shell.
- Status Bar:** Shows the current branch as `master+`, the number of changes as `0 △ 0`, and the Quokka extension status.

The screenshot shows the VS Code interface with the following details:

- Explorer View:** Shows a file tree with a red box around the `Procfile` entry.
- Terminal:** Displays the steps to initialize a new Git repository:
 - `git init` (highlighted with a red box)
 - Output: `Initialized empty Git repository in /Users/smilga/Desktop/jobs-api/.git/`
 - `git add .`
 - `git commit -m "initial commit"` (highlighted with a red box)
- Status Bar:** Shows the current branch as `master+`, the number of changes as `0 △ 0`, and the Quokka extension status.

Screenshot of a Node.js project in VS Code:

File structure:

- OPEN EDITORS
- JOB-API
- controllers
- db
- errors
- middleware
- models
- node_modules
- routes
- .env
- .gitignore
- app.js
- package-lock.json
- package.json
- Procfile
- README.MD

Code editor content (package.json):1 {
2 "name": "06-jobs-api",
3 "version": "1.0.0",
4 "description": "",
5 "main": "app.js",
6 "scripts": {
7 "start": "node app.js"
8 },
9 "author": "",
10 "license": "ISC",
11 "dependencies": {
12 "bcryptjs": "^2.4.3",
13 "cors": "^2.8.5",
14 "express": "4.17.1",
15 "mongoose": "5.12.3",
16 "multer": "1.4.2",
17 "validator": "10.11.1"
18 }
19 }

Terminal output:

```
smilga@Smilgas-iMac jobs-api % heroku login  
heroku: Press any key to open up the browser to login or q to exit:
```

Screenshot of a web browser showing the Heroku Login page:

Address bar: cli-auth.herokuapp.com/auth/cli/browser/682b4740-ad50-41b8-93a7-e18188c5266c?requestor=SFMyNTY.g2gDbQAAAawxMDQuMzQuMjMyLjNuBgAIJXmhegFIAFRgA.DTl0hCvMGr6XF0ax0YRqP4EVdh_j2gSKmPMS8A0Snzk

Page content:

We use cookies to make interactions with our websites and services easy and meaningful, to better understand how they are used and to tailor advertising. You can [read more](#) and [make your cookie choices here](#). By continuing to use this site you are giving us your consent to do this.

Heroku logo: 

Log in to the Heroku CLI

Log In

Heroku is a  company

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The screenshot shows the VS Code interface with the terminal tab active. The command `heroku create jobs-api` is run, but it fails because the name is already taken. Instead, the user runs `heroku create jobs-api-06`, which succeeds. The output shows the URL <https://jobs-api-06.herokuapp.com/> and its git repository URL <https://git.heroku.com/jobs-api-06.git>.

```
smilga@Smilgas-iMac jobs-api % heroku create jobs-api
Creating ⚡ jobs-api... !
▶ Name jobs-api is already taken
smilga@Smilgas-iMac jobs-api % heroku create jobs-api-06
Creating ⚡ jobs-api-06... done
https://jobs-api-06.herokuapp.com/ | https://git.heroku.com/jobs-api-06.git
smilga@Smilgas-iMac jobs-api %
```

tạo heroku app

The screenshot shows the VS Code interface with the terminal tab active. The user runs `heroku create jobs-api` and fails because the name is taken. They then run `heroku create jobs-api-06`, which succeeds. Afterward, they run `git remote -v` to check their local git configuration, which lists the Heroku remote with the URL <https://git.heroku.com/jobs-api-06.git>.

```
smilga@Smilgas-iMac jobs-api % heroku create jobs-api
Creating ⚡ jobs-api... !
▶ Name jobs-api is already taken
smilga@Smilgas-iMac jobs-api % heroku create jobs-api-06
Creating ⚡ jobs-api-06... done
https://jobs-api-06.herokuapp.com/ | https://git.heroku.com/jobs-api-06.git
smilga@Smilgas-iMac jobs-api % git remote -v
heroku https://git.heroku.com/jobs-api-06.git (fetch)
heroku https://git.heroku.com/jobs-api-06.git (push)
smilga@Smilgas-iMac jobs-api %
```

check nếu git remove có point tới current repo hay ko

The screenshot shows the VS Code interface. In the Explorer sidebar, there are several files and folders: .env, app.js, package.json, .gitignore, package-lock.json, package.json, Procfile, and README.md. The .env file is currently selected. In the main editor area, the .env file contains the following content:

```
MONGO_URI=mongodb+srv://john:yourPassword@nodeexpressprojects.kycgn.mongodb.net/06-JOB-API?retryWrites=true&w=majority
JWT_SECRET=q3s6v9y$B&E)H@McQfTjWnZr4u7w!z%C
JWT_LIFETIME=30d
```

In the bottom right corner of the editor, there is an 'Udemy' watermark.

In the terminal tab, the user has run the command `heroku create jobs-api`. The output shows that the name "jobs-api" is already taken, so it creates a new app named "jobs-api-06". It also sets up git remotes for the new app.

```
smilga@Smilgas-iMac jobs-api % heroku create jobs-api
Creating ⚡ jobs-api... !
▶ Name jobs-api is already taken
smilga@Smilgas-iMac jobs-api % heroku create jobs-api-06
Creating ⚡ jobs-api-06... done
https://jobs-api-06.herokuapp.com/ | https://git.heroku.com/jobs-api-06.git
smilga@Smilgas-iMac jobs-api % git remote -v
heroku https://git.heroku.com/jobs-api-06.git (fetch)
heroku https://git.heroku.com/jobs-api-06.git (push)
smilga@Smilgas-iMac jobs-api %
```

The status bar at the bottom indicates the current branch is 'master' and the commit count is '0 △ 0 Quokka'. There are also links for 'Go Live' and 'Prettier'.

trước khi up lên phải kiểm tra file env

The screenshot shows the VS Code interface. In the Explorer sidebar, there are several files and folders: .env, app.js, package.json, .gitignore, Procfile, .gitignore, app.js, package-lock.json, package.json, Procfile, and README.md. The .gitignore file is currently selected. In the main editor area, the .gitignore file contains the following content:

```
/node_modules
.env
```

In the bottom right corner of the editor, there is an 'Udemy' watermark.

In the terminal tab, the user has run the command `heroku create jobs-api`. The output shows that the name "jobs-api" is already taken, so it creates a new app named "jobs-api-06". It also sets up git remotes for the new app.

```
smilga@Smilgas-iMac jobs-api % heroku create jobs-api
Creating ⚡ jobs-api... !
▶ Name jobs-api is already taken
smilga@Smilgas-iMac jobs-api % heroku create jobs-api-06
Creating ⚡ jobs-api-06... done
https://jobs-api-06.herokuapp.com/ | https://git.heroku.com/jobs-api-06.git
smilga@Smilgas-iMac jobs-api % git remote -v
heroku https://git.heroku.com/jobs-api-06.git (fetch)
heroku https://git.heroku.com/jobs-api-06.git (push)
smilga@Smilgas-iMac jobs-api %
```

The status bar at the bottom indicates the current branch is 'master' and the commit count is '0 △ 0 Quokka'. There are also links for 'Go Live' and 'Prettier'.

.gitignore >> những file này bị ignore

The screenshot shows the VS Code interface. In the Explorer sidebar, there are several projects and files listed under 'OPEN EDITORS'. The '.env' file is currently selected. The terminal window below shows the command-line process for deploying a Node.js application to Heroku. The user has run 'heroku create jobs-api-06', pushed the code, and then set the environment variable 'JWT_LIFETIME=30d' using 'heroku config:set'. The terminal also shows the app's URL: <https://jobs-api-06.herokuapp.com/>.

```

1 MONGO_URI=mongodb+srv://john:yourPassword@nodeexpressprojects.kycgn.mongodb.net/
06-JOBS-API?retryWrites=true&w=majority
2 JWT_SECRET=q3s6v9y$B&E)H@McQfTjWnZr4u7w!z%C
3 JWT_LIFETIME=30d

PROBLEMS TERMINAL OUTPUT DEBUG CONSOLE
▶ Name jobs-api is already taken
smilga@Smilgas-iMac jobs-api % heroku create jobs-api-06
Creating ⚡️ jobs-api-06... done
https://jobs-api-06.herokuapp.com/ | https://git.heroku.com/jobs-api-06.git
smilga@Smilgas-iMac jobs-api % git remote -v
heroku https://git.heroku.com/jobs-api-06.git (fetch)
heroku https://git.heroku.com/jobs-api-06.git (push)
smilga@Smilgas-iMac jobs-api % heroku config:set JWT_LIFETIME=30d
Setting JWT_LIFETIME and restarting ⚡️ jobs-api-06... done, v3
JWT_LIFETIME: 30d
smilga@Smilgas-iMac jobs-api %

```

có 2 cách làm: làm thử ở commandline với LIFETIME

hiện tại push lên sẽ ko work, nhưng vẫn push lên

The screenshot shows the Heroku Dev Center interface. It displays a terminal window with deployment commands and logs. The logs show the creation of a new app, pushing code, and setting the 'JWT_LIFETIME' environment variable. A message indicates that the app has been deployed to <http://arcane-lowlands-8408.herokuapp.com/>.

```

$ git add .
$ git commit -m "Added a Procfile."
$ heroku login
Enter your Heroku credentials.
...
$ heroku create
Creating arcane-lowlands-8408... done, stack is cedar
http://arcane-lowlands-8408.herokuapp.com/ | git@heroku.com:arcane-lowlands-8408.git
Git remote heroku added
$ git push heroku main
...
-----> Node.js app detected
...
-----> Launching... done
http://arcane-lowlands-8408.herokuapp.com deployed to Heroku

```

To open the app in your browser, type `heroku open`.

Advanced HTTP features

The HTTP stack available to Common Runtime apps on the `herokuapp.com` subdomain supports HTTP 1.1, long polling, chunked responses and [WebSockets](#).

Provision a database

The [add-on marketplace](#) has a large number of data stores, such as Postgres, Redis, MongoDB and MySQL.

trên docs chỉ nên push lên heroku main

The screenshot shows a VS Code interface with the following details:

- Explorer View:** Shows files like `app.js`, `package.json`, `.env`, and `Procfile`.
- Terminal View:** Displays the command `git push heroku main` followed by two errors:
 - `error: src refspec main does not match any`
 - `error: failed to push some refs to 'https://git.heroku.com/jobs-api-06.git'`
- Status Bar:** Shows the current branch is `master`, and there are 0 untracked files.
- Bottom Right:** Includes icons for Quokka, Udemy, Go Live, and Prettier.

nhưng báo lỗi

The screenshot shows a VS Code interface with the following details:

- Explorer View:** Shows files like `app.js`, `package.json`, `.env`, and `Procfile`.
- Terminal View:** Displays the command `git push heroku master` followed by the output:
 - `error: failed to push some refs to 'https://git.heroku.com/jobs-api-06.git'`
 - `smilga@Smilgas-iMac jobs-api %`
 - `Enumerating objects: 29, done.`
 - `Counting objects: 100% (29/29), done.`
 - `Delta compression using up to 4 threads`
 - `Compressing objects: 100% (26/26), done.`
 - `Writing objects: 100% (29/29), 47.35 KiB | 5.92 MiB/s, done.`
 - `Total 29 (delta 1), reused 0 (delta 0)`
 - `remote: Compressing source files... done.`
 - `remote: Building source:`
- Status Bar:** Shows the current branch is `master`, and there are 0 untracked files.
- Bottom Right:** Includes icons for Quokka, Udemy, Go Live, and Prettier.

vì vậy, sử dụng heroku master

The screenshot shows the Heroku dashboard under the 'Personal' tab. A search bar at the top right says 'Jump to Favorites, Apps, Pipelines, Spaces...'. Below it is a search field with placeholder text 'Filter apps and pipelines'. A list of apps is shown:

- jobs-api-06** (highlighted with a red box)
- svelte-store-project-server
- vintage-tech-store-react-api

Each app entry includes its name, language stack (Node.js), region (United States), and a star icon.

vào gui và refresh sẽ thấy

The screenshot shows the Heroku app details page for 'jobs-api-06'. At the top, there's a breadcrumb navigation: Personal > jobs-api-06. To the right are a star icon, an 'Open app' button (highlighted with a red box), and a 'More' dropdown. Below the header are tabs: Overview, Resources, Deploy, Metrics, Activity, Access, and Settings. The Overview tab is selected.

Installed add-ons \$0.00/month [Configure Add-ons](#)

There are no add-ons for this app
You can add add-ons to this app and they will show here. [Learn more](#)

Dyno formation \$0.00/month [Configure Dynos](#)

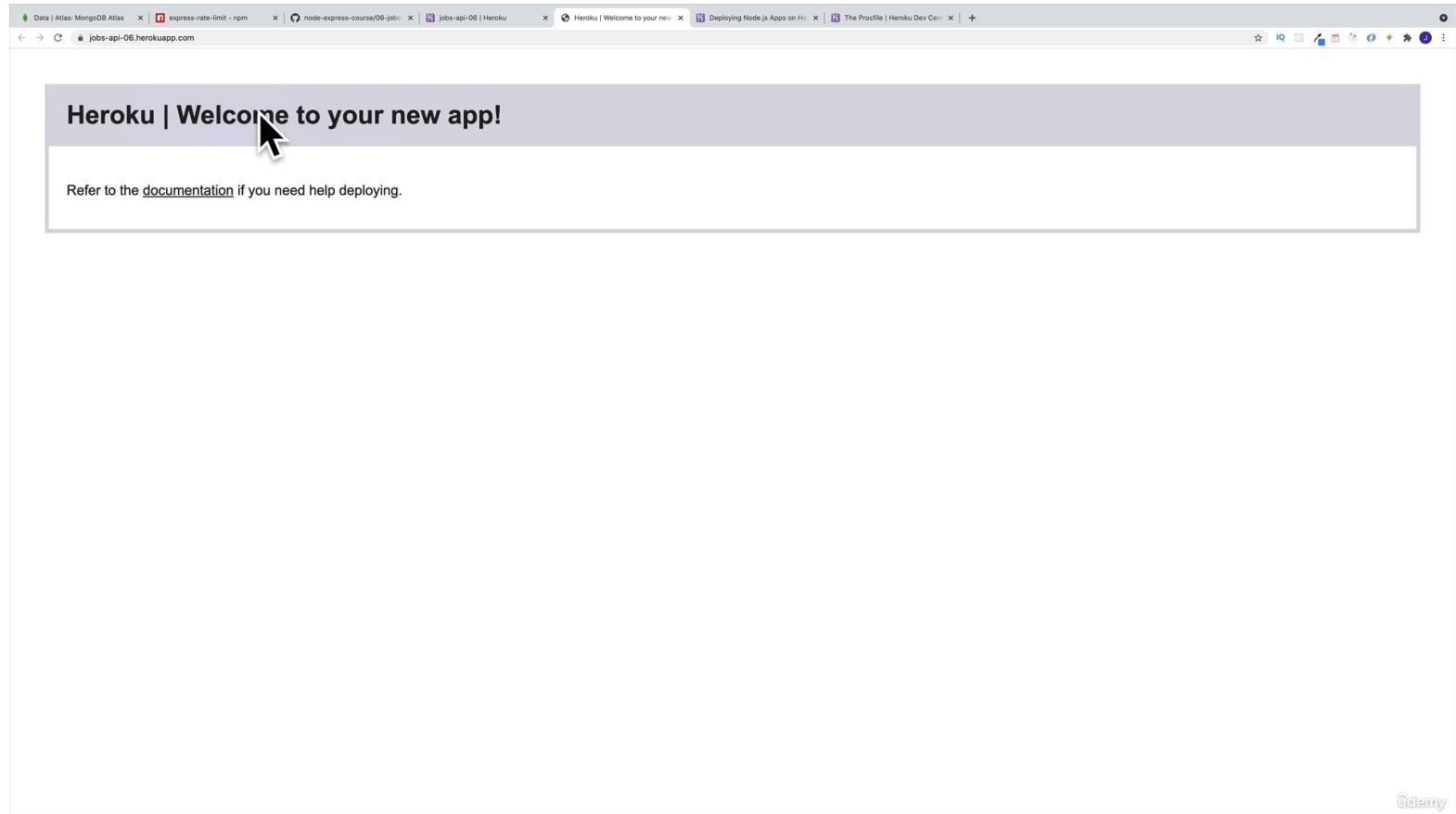
This app has no process types yet
Add a Procfile to your app in order to define its process types. [Learn more](#)

Collaborator activity [Manage Access](#)

There is no recent activity on this app
Collaborator activity will be shown when there are recent deploys

Latest activity [All Activity](#)

- learncodetutorial@gmail.com: Build in progress
Just now · [View build progress](#)
- learncodetutorial@gmail.com: Set JWT_LIFETIME config var
Today at 1:08 PM · v3
- learncodetutorial@gmail.com: Enable Logplex
Today at 1:06 PM · v2
- learncodetutorial@gmail.com: Initial release
Today at 1:06 PM · v1



vẫn chưa work

A screenshot of the Heroku dashboard for the "jobs-api-06" app. The top navigation bar includes links for "Personal", "HEROKU", "Jump to Favorites, Apps, Pipelines, Spaces...", "Open app", and "More". The "Settings" tab is highlighted with a red box. The main content area shows sections for "Installed add-ons" (\$0.00/month), "Dyno formation" (\$0.00/month), and "Collaborator activity". The "Installed add-ons" section indicates there are no add-ons for this app. The "Dyno formation" section indicates there are no process types defined. The "Collaborator activity" section shows one deployment by "learncodetutorial@gmail.com". On the right, the "Latest activity" log shows several recent events, including a deployment, a build success, and configuration changes. A sidebar on the left lists "Salesforce Platform" and other open tabs.

Salesforce Platform

HEROKU

Personal > jobs-api-06

Overview Resources Deploy Metrics Activity Access Settings

App Information

App Name: jobs-api-06

Region: United States

Stack: heroku-20

Framework: Node.js

Slug size: 35.1 MiB of 500 MiB

Heroku git URL: <https://git.heroku.com/jobs-api-06.git>

Config Vars

Config vars change the way your app behaves. In addition to creating your own, some add-ons come with their own.

Reveal Config Vars

Buildpacks

Framework: Node.js

Slug size: 35.1 MiB of 500 MiB

Heroku git URL: <https://git.heroku.com/jobs-api-06.git>

Config Vars

Config vars change the way your app behaves. In addition to creating your own, some add-ons come with their own.

JWT_LIFETIME: 30d

KEY: VALUE Add

Hide Config Vars

Buildpacks

heroku/nodejs

Add buildpack

SSL Certificates

SSL Certificates

Configure SSL

Framework Node.js

Slug size 35.1 MiB of 500 MiB

Heroku git URL <https://git.heroku.com/jobs-api-06.git>

Config Vars

Config vars change the way your app behaves. In addition to creating your own, some add-ons come with their own.

KEY	VALUE	Add	
JWT_LIFETIME	30d		
MONGO_URI	mongodb+srv://john:yourPassword@nodee...		
JWT_SECRET	q3s6v9y\$B&E)H@McQfTjWnZr4u7w!z%C		
KEY	VALUE	Add	

Buildpacks

Buildpacks are scripts that are run when your app is deployed. They are used to install dependencies for your app and configure your environment. [Find new buildpacks on Heroku Elements](#)

[Add buildpack](#)

add 2 thằng còn lại >>> JWT khi add ở cli có thể báo lỗi

Personal > jobs-api-06

Open app More

View logs

View webhooks

Run console

Production check

Add to pipeline...

Restart all dynos

App Name jobs-api-06

Region United States

Stack heroku-20

Framework Node.js

Slug size 35.1 MiB of 500 MiB

Heroku git URL <https://git.heroku.com/jobs-api-06.git>

Config Vars

Config vars change the way your app behaves. In addition to creating your own, some add-ons come with their own.

KEY	VALUE	Edit	Remove
JWT_LIFETIME	30d		
MONGO_URI	mongodb+srv://john:yourPassword@nodee...		
JWT_SECRET	q3s6v9y\$B&E)H@McQfTjWnZr4u7w!z%C		

restart

Salesforce Platform

HEROKU

Jump to Favorites, Apps, Pipelines, Spaces...

Personal > jobs-api-06

Open app More

View logs (highlighted)

View webhooks

Run console

Production check

Add to pipeline...

Restart all dynos

Overview Resources Deploy Metrics Activity Access Settings

App Information

App Name

jobs-api-06

Region

United States

Stack

heroku-20

Framework

Node.js

Slug size

35.1 MiB of 500 MiB

Heroku git URL

<https://git.heroku.com/jobs-api-06.git>

Config Vars

Reveal Config Vars

Config vars change the way your app behaves. In addition to creating your own, some add-ons come with their own.

Buildpacks

Odyssey

Jump to Favorites, Apps, Pipelines, Spaces...

Personal > jobs-api-06

Open app More

Overview Resources Deploy Metrics Activity Access Settings

Application Logs ALL PROCESSES

```

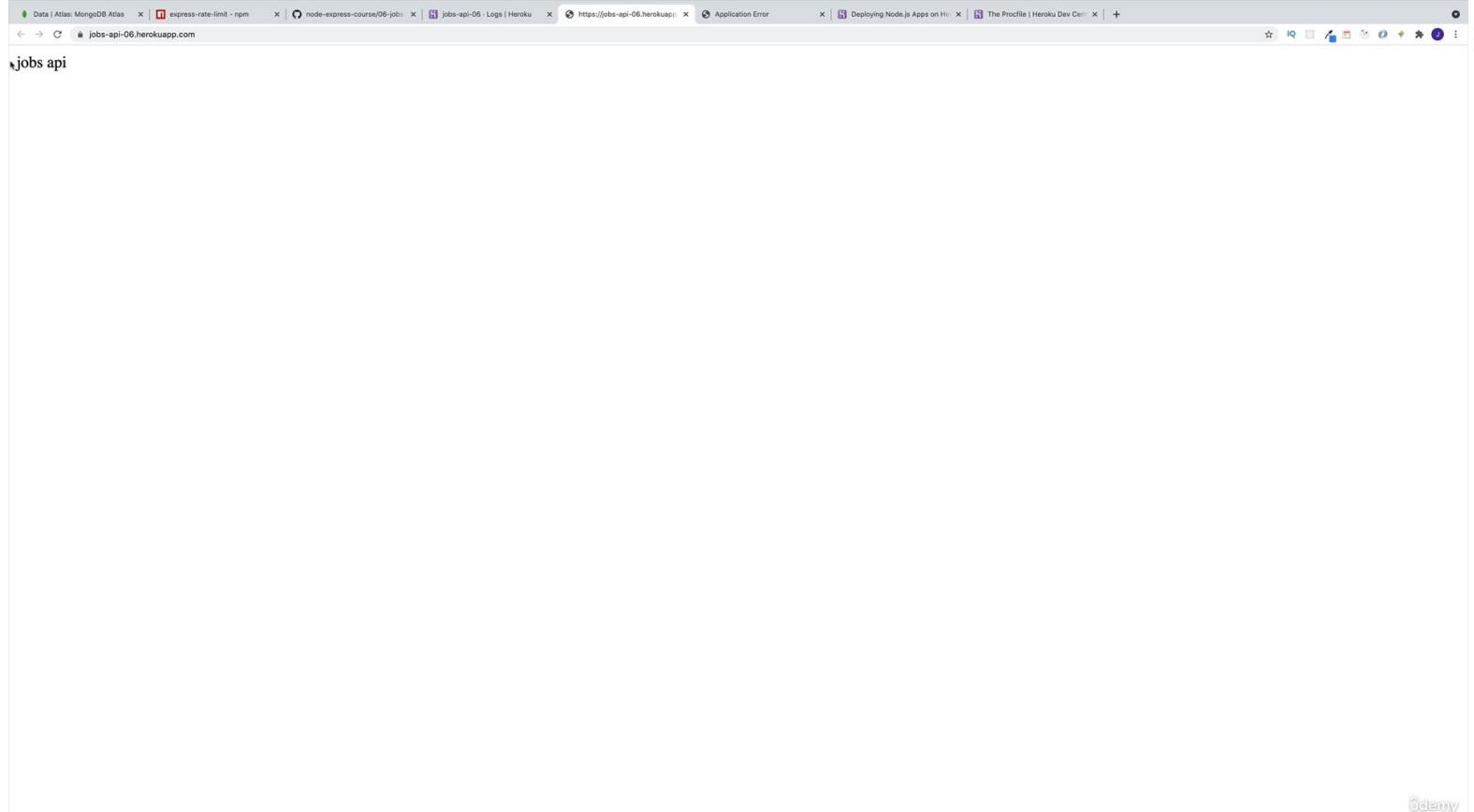
2021-07-13T20:12:16.599460+00:00 app[api]: Release v7 created by user learncodetutorial@gmail.com
2021-07-13T20:12:17.118475+00:00 heroku[web.1]: State changed from crashed to starting
2021-07-13T20:12:21.320153+00:00 heroku[web.1]: Starting process with command `node app.js`
2021-07-13T20:12:28.853175+00:00 app[web.1]: Server is listening on port 43710...
2021-07-13T20:12:29.200849+00:00 heroku[web.1]: State changed from starting to up
2021-07-13T20:12:35.964133+00:00 heroku[web.1]: Restarting
2021-07-13T20:12:35.984456+00:00 heroku[web.1]: State changed from up to starting
2021-07-13T20:12:37.578936+00:00 heroku[web.1]: Stopping all processes with SIGTERM
2021-07-13T20:12:37.767428+00:00 heroku[web.1]: Process exited with status 143
2021-07-13T20:12:39.534124+00:00 heroku[web.1]: Starting process with command `node app.js`
2021-07-13T20:12:44.814810+00:00 heroku[web.1]: State changed from starting to up
2021-07-13T20:12:44.748882+00:00 app[web.1]: Server is listening on port 46097...

```

Autoscroll with output

Save

ban đầu sử dụng port 43710 nhưng bị lỗi với process.env.PORT >> exit >> sau đó chạy lại với port 46097



ok

Home Workspaces Reports Explore

My Workspace New Import

Collections + ⌂ ...

APIs

Environments

Mock Servers

Monitors

History

Search Postman

Globals

New Environment

Save Export

VARIABLE INITIAL VALUE CURRENT VALUE

VARIABLE	INITIAL VALUE	CURRENT VALUE
URL	localhost:3000/api/v1	localhost:3000/api/v1
PROD_URL	https://jobs-api-06.herokuapp.com/api/v1	https://jobs-api-06.herokuapp.com/api/v1

Add a new variable

Find and Replace Console Bootcamp Runner Trash Odemny

test

Home Workspaces Reports Explore

My Workspace New Import

Collections + ○ 03-Task-Manager
○ 04-Store-API
○ 05-JWT-Basics
+ 06-Jobs-API
POST Register User
POST Login User
POST Create Job
GET Get All Jobs
GET Get Single Job
PATCH Update Job
DEL Delete Job

APIs

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POST {{PROD_URL}}/auth/login

POST {{PROD_URL}}/auth/login

Params Authorization Headers (9) Body (1) Pre-request Script Tests Settings Cookies

none form-data x-www-form-urlencoded raw binary GraphQL JSON Beautify

```

1 [
2
3 "email":"susan@gmail.com","password":"secret"
4 ]

```

Response

Hit Send to get a response

Home Workspaces Reports Explore

My Workspace New Import

Collections + ○ 03-Task-Manager
○ 04-Store-API
○ 05-JWT-Basics
+ 06-Jobs-API
POST Register User
POST Login User
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GET Get All Jobs
GET Get Single Job
PATCH Update Job
DEL Delete Job

APIs

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POST {{PROD_URL}}/auth/login

POST {{PROD_URL}}/auth/login

Params Authorization Headers (9) Body (1) Pre-request Script Tests (1) Settings Cookies

```

1 const jsonData = pm.response.json()
2 pm.globals.set("accessToken", jsonData.token);

```

Test scripts are written in JavaScript, and are run after the response is received. Learn more about tests scripts

SNIPPETS

Get an environment variable
Get a global variable
Get a variable
Get a collection variable

Body Cookies Headers (21) Test Results

Pretty Raw Preview Visualize JSON

```

1 [
2   "user": {
3     "name": "susan"
4   },
5   "token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.
6   eyJc2VySWQiOii2MGVkJyU2Yjg1NDczZDA0YjYzMDQ0NDkiLCJuYWlIjoic3VzYW4iLCJpYXQiOjE2MjYyMDczODQsImV4c
7   CI6MTYy0Dc50TM4NH0.kIJTBcs8vDsI5mbNVFyYH6YT-dtUg5c8HCCn7yAbK2M"

```

200 OK 667 ms 1.12 KB Save Response

Find and Replace Console Bootcamp Runner Trash Udemy

làm tương tự như trước